Comparisons of Job Characteristics

Focus Occupation: Dental Hygienists (29-2021)
Associated Occupation: Orthodontists (29-1023)

Compare Knowledge
Compare Skills
Compare Abilities
Compare Detailed Work Activities
Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge — Similarity of Focus Occupation to Associated Occupation: 76

Focus Occupation: Dental Hygienists (29-2021)
Associated Occupation: Orthodontists (29-1023)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Medicine and Dentistry	3.7	23.4	17.7	<<	Extensive education and/or training may be required
Customer and Personal Service	11.3	19.7	14.9	<<	Extensive education and/or training may be required
Administration and Management	8.4	17.7	5.9	<<	Extensive education and/or training may be required
Biology	3.7	15.3	8.2	<<	Extensive education and/or training may be required
Personnel and Human Resources	5.6	14.3	3.7	<<	Extensive education and/or training may be required
Sales and Marketing	5.2	14.0	8.8	<<	Extensive education and/or training may be required
Psychology	6.4	12.8	13.2	0	Current knowledge level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills — Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Dental Hygienists (29-2021)
Associated Occupation: Orthodontists (29-1023)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Science	4.5	12.5	7.7	<<	Extensive development of skills in this area may be required
Social Perceptiveness	9.1	12.4	9.1	<<	Extensive development of skills in this area may be required
Active Learning	8.7	12.3	8.5	<<	Extensive development of skills in this area may be required

Time Management	8.9	11.5	7.6	<<	Extensive development of skills in this area may be required
Operations Analysis	5.0	11.2	2.7	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities — Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Dental Hygienists (29-2021)
Associated Occupation: Orthodontists (29-1023)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Problem Sensitivity	11.1	16.6	12.2	<<	Extensive improvement in abilities may be required
Finger Dexterity	7.6	14.2	11.8	<	Some improvement in abilities may be required
Inductive Reasoning	10.2	13.5	10.1	<<	Extensive improvement in abilities may be required
Near Vision	11.1	13.2	11.0	<	Some improvement in abilities may be required
Arm-Hand Steadiness	6.8	12.7	11.1	<	Some improvement in abilities may be required
Control Precision	6.6	11.5	8.2	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	11.5	10.5	0	Current ability level may be sufficient
Selective Attention	8.7	10.2	8.6	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common — Similarity of Focus Occupation to Associated Occupation: 94

Focus Occupation: Dental Hygienists (29-2021)
Associated Occupation: Orthodontists (29-1023)

Work Activities	Exclusivity of Activity
Administer anesthetics	77
Administer injections	60
Administer medications or treatments	46
Analyze dental data	89
Collect dental laboratory diagnostic data	89
Communicate technical information	4
Follow clinical radiation safety procedures	77
Follow infectious materials procedures	52
Identify body response variations	57

Make presentations on health or medical issues	50
Operate dental equipment	89
Understand technical operating, service or repair manuals	6
Use dental treatment procedures	87
Use interpersonal communication techniques	10
Use knowledge of dental terminology	87
Use knowledge of medical terminology	40
Use sanitation practices in health care settings	48

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: 74

Focus Occupation: Dental Hygienists (29-2021)
Associated Occupation: Orthodontists (29-1023)

Tools and Technologies	Exclusivity
Autoclave and sterilizer equipment and accessories	12
Cameras	2
Computer data input devices	2
Computers	1
Content authoring and editing software	1
Dental and subspecialty instruments and devices	37
Dental imaging equipment and supplies	47
Industry specific software	1
Network applications software	1
Presterilization cleaning equipment and solutions	24

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.